ABSTRACT

The present invention provides a micro thermoelectric gas sensor having a thermoelectric conversion section, a microheater, a catalyst layer formed on the microheater and to be heated by the microheater, which acts as a catalyst for catalytic combustion of a combustible gas, and a sensor detection section with an electrode pattern therefore formed on a membrane of a predetermined thickness, and a method for forming a micropattern of a functional material of a catalyst or resistor in a predetermined position on a substrate in a state in which the microstructure of the functional material remains controlled.